Aircraft

Member Variables

-	uint	numberOfEngines	
-	uint	numberOfPilots	
-	uint	numberOfPassengers	
-	string	aircraftManufacturer	
-	uint	payloadCapacity	
-	uint	aircraftRange	
-	uint	maximumSpeed	
-	bool	vtol	

Member Methods

+	uint	getNumberOfEngines	const
+	void	setNumberOfEngines(uint)	
+	uint	getNumberOfPilots	const
+	void	setNumberOfPilots(uint)	
+	uint	getNumberOfPassengers	const
+	void	setNumberOfPassengers(uint)	
+	string	getAircraftManufacturers	const
+	void	setAircraftManufacturers(string)	
+	uint	getPayloadCapacity	const
+	void	setPayloadCapacity(uint)	
+	uint	getAircraftRange	const
+	void	setAircraftRange(uint)	
+	uint	getMaximumSpeed	const
+	void	setMaximumSpeed(uint)	
+	bool	getVTOL	const
+	void	setVTOL(bool)	
+	void	printCharacteristics	const
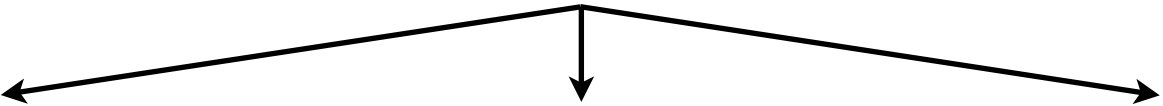
Airplane

Member Variables

-	uint	wingWidth	
-	uint	elevatorWidth	
-	uint	rudderHeight	
-	uint	maxAileronAngle	
-	uint	maxElevatorAngle	
-	uint	maxRudderAngle	
-	uint	propellerDiameter	
-	uint	maxFlapLength	
-	bool	isAJet	

Member Methods

+	uint	getWingWidth	const
+	void	setWingWidth(uint)	
+	uint	getElevatorWidth	const
+	void	setElevatorWidth(uint)	
+	uint	getRudderHeight	const
+	void	setRudderHeight(uint)	
+	uint	getMaxAileronAngle	const
+	void	setMaxAileronAngle(uint)	
+	uint	getMaxElevatorAngle	const
+	void	setMaxElevatorAngle(uint)	
+	uint	getMaxRudderAngle	const
+	void	setMaxRudderAngle(uint)	
+	uint	getPropellerDiameter	const
+	void	setPropellerDiameter(uint)	
+	uint	getMaxFlapLength	const
+	void	setMaxFlapLength(uint)	
+	bool	getIsAJet	const
+	void	setIsAJet(bool)	
+	void	printCharacteristics	const

Helicopter

Member Variables

-	uint	numberOfBladesPerRotor	
-	uint	numberOfRotors	
-	uint	numberOfWheels	
-	bool	canLandOnWater	
-	bool	hasSkids	

Member Methods

+	uint	getNumberOfBladesPerRotor	const
+	void	setNumberOfBladesPerRotor(uint)	
+	uint	getNumberOfRotors	const
+	void	setNumberOfRotors(uint)	
+	uint	getNumberOfWheels	const
+	void	setNumberOfWheels(uint)	
+	bool	getCanLandOnWater	const
+	void	setCanLandOnWater(bool)	
+	bool	getHasSkids	const
+	void	setHasSkids(bool)	
+	void	printCharacteristics	const

Rocket

Member Variables

-	uint	totalThrust	
-	uint	rocketHeight	
-	uint	centerOfMass	
-	uint	centerOfGravity	
-	uint	numberOfFins	
-	uint	numberOfParachutes	
-	bool	isGuided	
-	bool	isGimbaled	

Member Methods

+	uint	getTotalThrust	const
+	void	setTotalThrust(uint)	
+	uint	getRocketHeight	const
+	void	setRocketHeight(uint)	
+	uint	getCenterOfMass	const
+	void	setCenterOfMass(uint)	
+	uint	getCenterOfGravity	const
+	void	setCenterOfGravity(uint)	
+	uint	getNumberOfFins	const
+	void	setNumberOfFins(uint)	
+	uint	getNumberOfParachutes	const
+	void	setNumberOfParachutes(uint)	
+	bool	getIsGuided	const
+	void	setIsGuided(bool)	
+	bool	getIsGimbaled	const
+	void	setIsGimbaled(bool)	
+	void	printCharacteristics	const